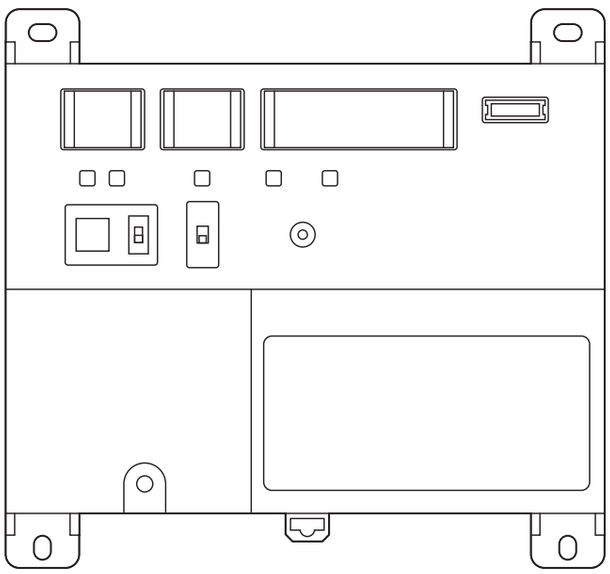
DAIKIN

Installation Manual

iTM plus adaptor

Model

DCM601A52



Safety Precautions

Also see installation manual attached to equipment you connect.

Please read these "SAFETY PRECAUTIONS" carefully before installing air conditioning unit and be sure to install it correctly.

- They both contain important information regarding safety. Be sure to observe all precautions without fail.

⚠ **WARNING**	Failure to follow these instructions properly may result in personal injury or loss of life.
⚠ **CAUTION**	Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

- After completing installation, conduct a trial operation to check for faults and explain to the customer how to operate the air conditioner and take care of it with the aid of the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

⚠ **WARNING**
Ask your dealer or qualified personnel to carry out installation work. Do not attempt to install the unit yourself. Improper installation may result in an electric shock or fire.
Do not relocate or reinstall the unit yourself. Improper installation work may result in an electric shock or fire. Ask your local dealer to carry out relocation and reinstallation of the unit.
Install the unit in accordance with the instructions in this installation manual. Improper installation may result in an electric shock or fire.
Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the unit falling, an electric shock, or fire.
Install the unit on a foundation strong enough to withstand the weight of the unit. A foundation of insufficient strength may result in the equipment falling and causing injury.
Always perform installation work with the power supply shut off. Touching energized electric parts causes an electric shock.
Do not disassemble, modify or repair the unit. An electric shock or fire may be caused.
Make sure that all wiring is secured, that the specified wires are used, and that there is no strain on the terminal connections or wires. Improper connection or securing of wires may result in abnormal heat build-up or fire.
The choice of materials and installations must comply with the applicable national and international standards.
Carry out installation work taking earthquakes into account. Failure to do so during installation work may result in the unit falling and causing accidents.
Make sure that a separate power supply circuit is provided for this unit and that all electrical work is carried out by qualified personnel according to local laws and regulations and this installation manual. An insufficient power supply capacity or improper electrical construction may lead to electric shocks or fire.
When wiring the power supply and connecting the remote controller wiring and transmission wiring, position the wires so that the electric parts box lid can be securely fastened. Improper positioning of the electric parts box lid may result in an abnormal heat build-up, electric shock, or fire.

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⚠ WARNING

Be sure to earth the unit.
Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead.
Imperfect earthing may result in electric shocks or fire.

Do not change the protective equipment settings.
Otherwise, a short-circuit may occur in a pressure switch, temperature switch, or other protective equipment, forcing the unit to operate unexpectedly.
In addition, use of parts other than those specified by DAIKIN may result in firing.

Install an earth leakage breaker, as required.
Failure to install an earth leakage breaker may result in electric shocks or fire.

⚠ CAUTION

Be very careful about product transportation.

Safely dispose of the packing materials.
Tear apart and throw away plastic packaging bags so that children will not play with them.
If children play with a plastic bag which was not torn apart, they face the risk of suffocation.

This unit is a class B product.

In a domestic environment, this product may cause radio interference. In such case, the user may be required to take adequate measures.

Disposal requirements Dismantling of the unit, treatment of the refrigerant, of oil and of other parts must be done in accordance with relevant local and national legislation.

To ensure your safety, be sure to lock the control enclosure door except during maintenance.

Fill the wiring through hole with putty.
Entry of water or insects may result in electric leakage or malfunction.

Do not operate with wet hands.
An electric shocks and malfunction may be caused.

Do not wash this unit with water.
An electric shock or fire may be caused.

Install the indoor and outdoor units, power cord, and connecting wires at least 1 meter away from televisions or radios.
This is to prevent picture interference and noise. (Depending on the incoming signal strength, a distance of 1 meter may not be sufficient to eliminate noise.)

Do not install the unit in the following places.

1. Where there is a high concentration of mineral oil spray or vapor (e.g. a kitchen). Plastic parts will deteriorate, parts may fall off and water leakage could result.
2. Near machinery emitting electromagnetic radiation. Electromagnetic radiation may disturb the operation of the control system and result in a malfunction of the unit.
3. Where flammable gas may leak, where there is carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as paint thinner or gasoline are handled. Operating the unit in such conditions may result in fire.
4. High temperature area or directly flamed point. Abnormal heat build-up or firing may be caused.
5. Moist area, or place where may be exposed to water. If water enters inside the unit, an electric shock and malfunction may be caused.

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1 Before Installation

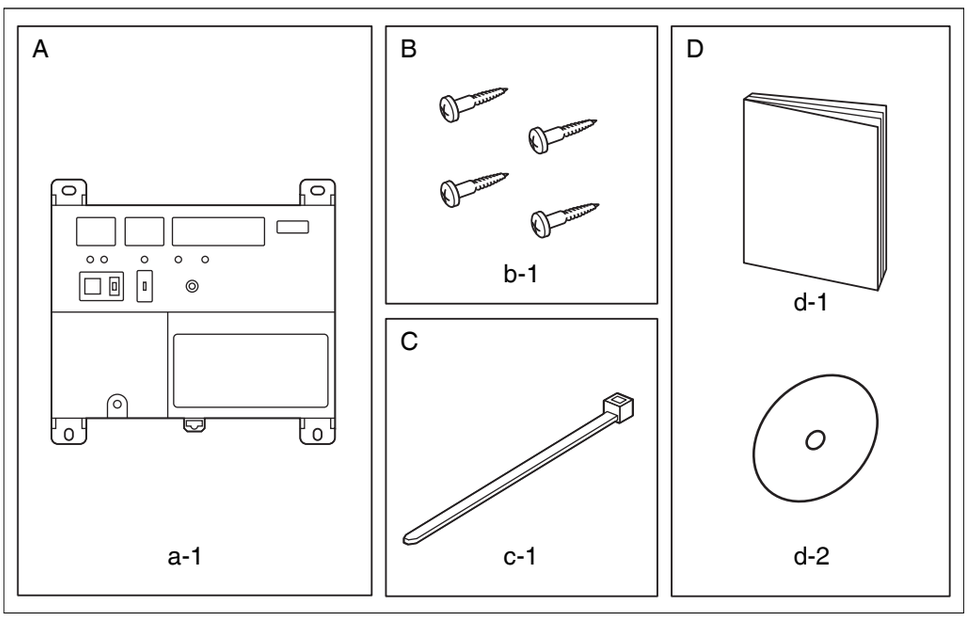
Before you start installing the iTM plus adaptor, complete the following checks:

- Check that the iTM plus adaptor comes with all accessories.
- Understand where the terminals and switches of the iTM plus adaptor are located.
- Make sure that an appropriate space for installing the iTM plus adaptor is available.

1.1 Checking that all accessories are included

Based on the following accessory list, check that all accessories for the iTM plus adaptor are included. Should there be any missing or defective parts, contact your dealer.

<Accessories included with iTM plus adaptor>



A **(a-1)** iTM plus adaptor body (1 pc.)

B **(b-1)** Round-head wood screw (ϕ3.5×16), 4 pcs.

C **(c-1)** Cable tie, 1 pc.

D **(d-1)** Installation manual (This manual), 1 pc. **(d-2)** Manual CD, 1 pc.

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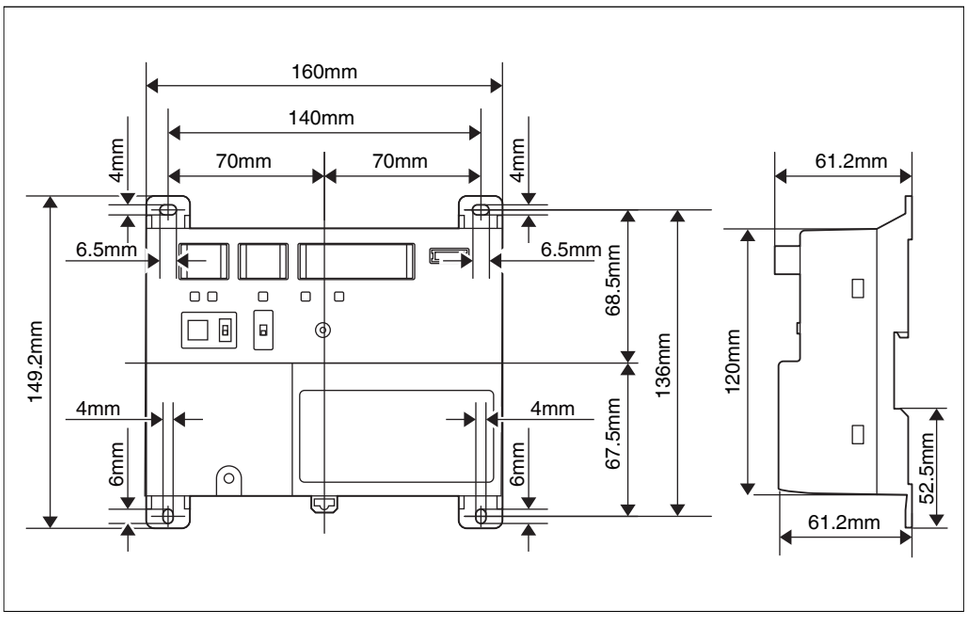
1.2 Understanding external dimensions

• iTM plus adaptor body



1.3 Understanding where terminals are located

Understand the arrangement of terminals and switches on the unit and draw up an efficient work plan. For connection details including the cable type, terminal size, and wiring precautions, refer to “2. Connection”.

1.3.1 Front face of iTM plus adaptor

All the terminals used during installation are located on the front face of the iTM plus adaptor. Note that only the power terminals are covered with a terminal cover for safety. You can remove this cover by loosening a single screw.

In addition to these terminals, several switches and LEDs are also located on the front face of the iTM plus adaptor.

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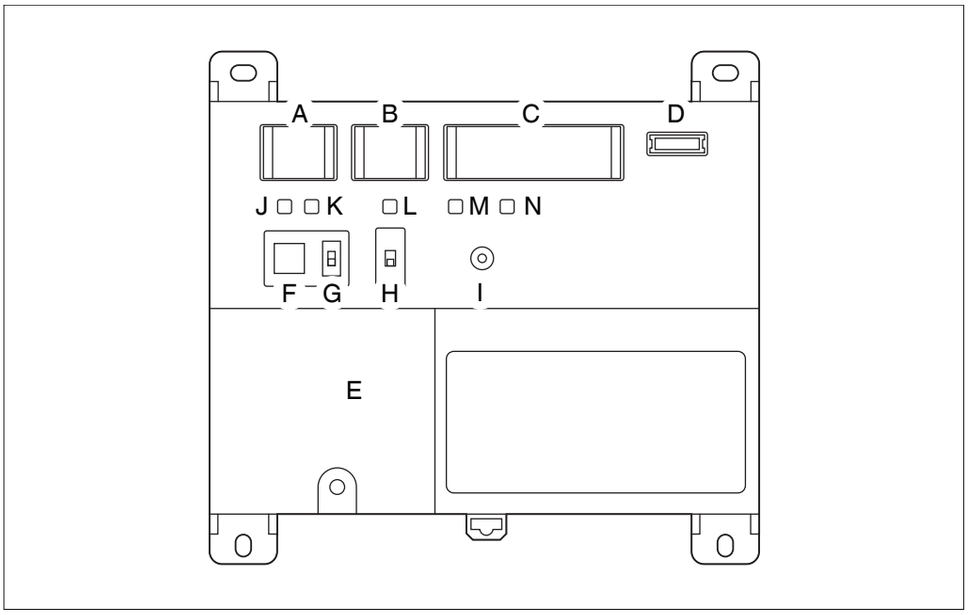
<Front face of iTM plus adaptor>



A **[plus ADP IF]** The terminals for connecting an intelligent Touch Manager or iTM plus adaptor installed in parallel.

B **[DIII]** The communication line connection terminals for “DIII-NET”, which enables communications with DAIKIN’s air conditioning equipment.

C **[Di]** The terminals for connecting an external signal input device for stopping air conditioners in an emergency, or for connecting electric energy meters for calculating the electricity usage of individual indoor air conditioning units.

D **[RESERVE]** No Use.

E **[POWER]** The power line connection terminals. These terminals are covered with a protective cover. A power supply voltage of 100 to 240 VAC (at 50/60 Hz) is required. Near this terminal block, there is a blue resin cable mount used for securing the power supply cables with cable ties.

F **[plus ADP ADDRESS]** The switch for selecting the address of the iTM plus adaptor. For each iTM plus adaptor, set a unique number between 2 to 8.

G **[TERM]** The switch used when multiple iTM plus adaptors are connected in parallel for enabling the termination resistor on the furthest iTM plus adaptor from the intelligent Touch Manager.

H **[DIII MASTER]** The switch used when there are two or more DIII-NET centralized controllers, such as intelligent Touch Managers, are connected for distinguishing between the “MASTER” and the “SLAVE” controllers.

I **[RESET//]** The switch for restarting the iTM plus adaptor.

J **[Tx]** (Green) The indicator that indicates when on that data is being sent to the intelligent Touch Manager.

K **[Rx]** (Orange) The indicator that indicates when on that data is being received from the intelligent Touch Manager.

L **[DIII MONITOR]** (Yellow) The indicator that indicates when on that data is being communicated with DIII-NET .

M **[CPU ALIVE]** (Green) The LED that indicates that the CPU is operating normally. For the relationship between the LED status and the unit’s operating condition, refer to the “LED status and operation” table below.

N **[ALARM]** (Red) The LED that turns on or blinks in the event of an error. For the relationship between the LED status and the unit’s operating condition, refer to the “LED status and operation” table below.

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The table below shows the status of the CPU ALIVE/ALARM LED when the iTM plus adaptor is operating normally or failed.

NOTE

[LED status and operation table]

Operating condition	CPU ALIVE	ALARM
Normal	Blink	Off
Hardware failure	Off	On
Address failure	On	On
plus ADP IF communication failure	On	Blink

1.4 Determining installation place

Be sure to install the iTM plus adaptor in a place that meets the conditions described in 1.4.1 through 1.4.3.

1.4.1 Installation place and mounting direction

Note that the iTM plus adaptor must be installed in a place and in a mounting direction as described below:

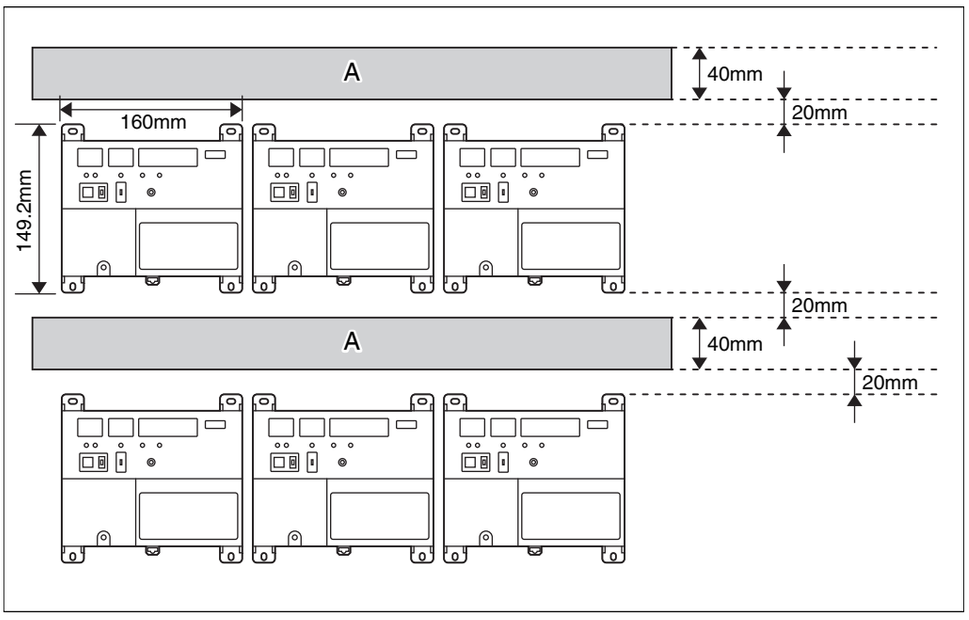
- Installation place: Indoor, inside control enclosure (which must be lockable or designed to be opened only with a special tool)
- Mounting direction: Vertical only

1.4.2 Required space

To install the iTM plus adaptor, the following space is required. Also note the following:

- Make sure that there is a minimum clearance of 20 mm between each unit and wiring ducts.
- When installing two or more units side by side, they can be arranged without clearance in the horizontal direction.

Required installation space



A Wiring duct

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1.4.3 Environmental conditions

The installation environment must meet the following conditions:

- Ambient temperature: –10 to 50 °C
- Ambient humidity: 85% RH or less (without condensation)

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2 Connection

This chapter describes the procedure for connecting the iTM plus adaptor with intelligent Touch Manager, DIII-NET-compatible air conditioning devices and other equipment.

In addition to air conditioners, the iTM plus adaptor can be connected and work with a wide range of equipment. However, the required connection procedures vary depending on the equipment to be connected.

Required procedures

- 2.1 Connecting intelligent Touch Manager
- 2.2 Connecting DIII-NET-compatible air conditioning equipment
- 2.4 Connecting power supply

Equipment-specific procedures

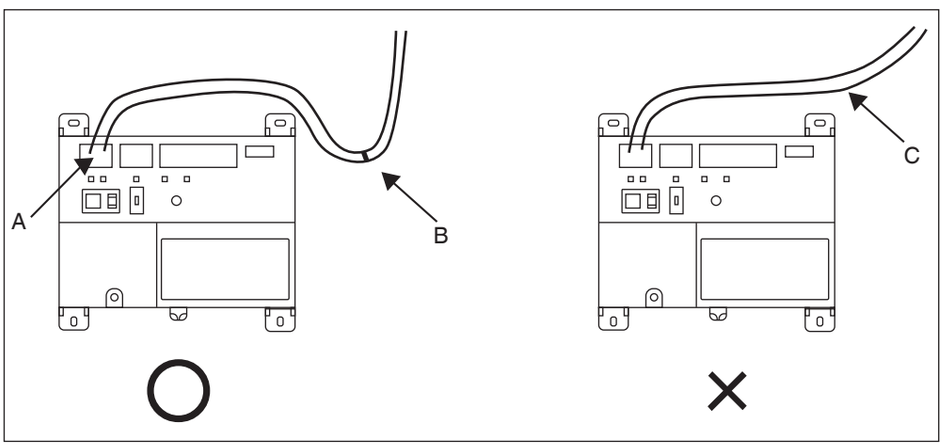
- 2.3 Connecting contact or pulse input equipment such as electric energy meters

⚠ WARNING

- **Do not turn the power supply on until all connections are made. Doing so may cause an electric shock.**
- **After completing connections, check again that all wires are connected correctly before turning on the power supply.**

⚠ CAUTION

Provide a cable trap before the terminal block and perform wiring to prevent water entry. Water splashing onto the terminal block may result in an electric shock or fire.



A Terminal block
B With trap
C Without trap

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2.1 Connecting intelligent Touch Manager

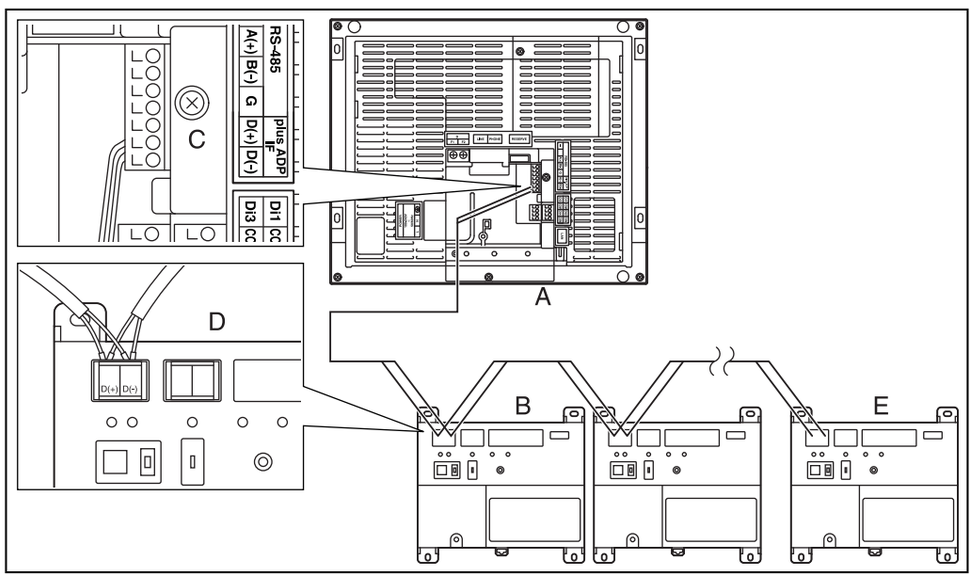
The iTM plus adaptor is a device that enables you to control more air conditioners with the intelligent Touch Manager. It needs to be connected to an intelligent Touch Manager to provide this capability.

2.1.1 Terminals location and conceptual connection diagram

Connect the terminals located in the “plus ADP IF” section of the iTM plus adaptor to the corresponding terminals located in the “plus ADP IF” section on the rear face of your intelligent Touch Manager. Note that these terminals have polarity. Be sure to connect the positive wire to the “+” terminal and the negative wire to the “–” terminal, respectively.

In addition, the intelligent Touch Manager must be connected as a terminal to the wiring.

<Terminals location and conceptual connection diagram>



A intelligent Touch Manager (Rear face)

B iTM plus adaptor

C plus ADP IF (intelligent Touch Manager)

D plus ADP IF (iTM plus adaptor)

E iTM plus adaptor on which termination resistor must be enabled

2.1.2 Requirements that must be met

- Cable type: CPEV or FCPEV cable
- Core thickness: 0.65 - 0.9 mm²
- Cable length: 50 meters or less in total for overall plus ADP IF wiring

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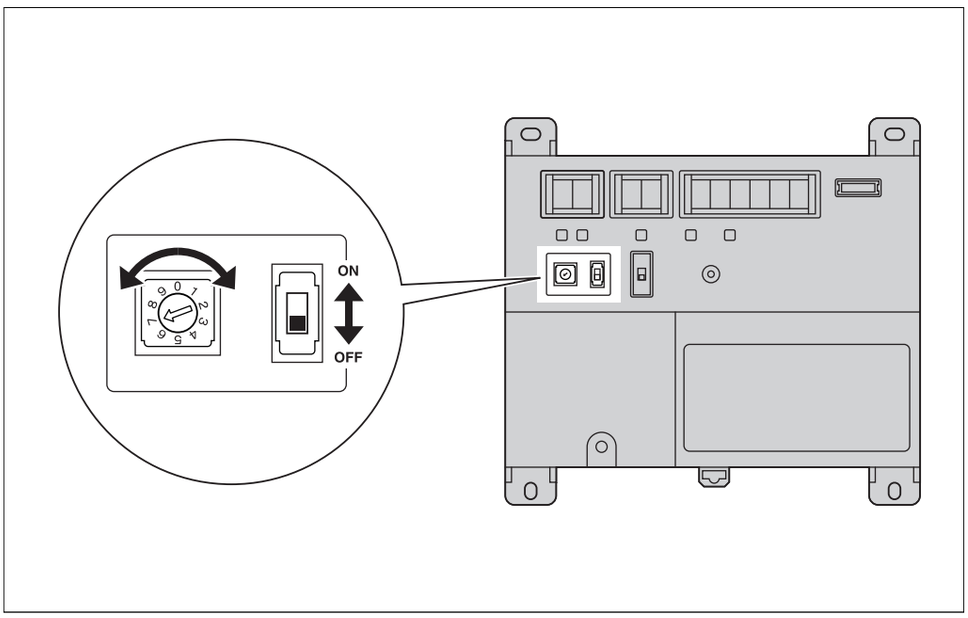
2.1.3 Address setup and termination resistor

You need to assign a unique address to each of your intelligent Touch Manager and the iTM plus adaptors connected to it. Because the address of the intelligent Touch Manager is fixed to “1”, each iTM plus adaptor must be given an address between “2” and “8”. Turn the plus ADP ADDRESS switch located on the front face of each iTM plus adaptor to set a unique address.

You also need to enable the termination resistor on the furthest iTM plus adaptor from the intelligent Touch Manager. This termination resistor setting is done using the TERM switch located on the front face of the iTM plus adaptor.

<plus ADP ADDRESS switch and TERM switch>



NOTE

If the two LEDs, CPU ALIVE and ALARM, both light up during power-on after installation, there is a possibility of a problem with the address assignment:

- An invalid address is set. (“0”, “1”, and “9” are not allowed.)
- A duplicate address is used.

You must assign a unique address between 2 and 8 for each iTM plus adaptor. Power off the unit once, check and correct the address, and then turn it on again.
Check the status of the two LEDs, CPU ALIVE and ALARM.

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2.2 Connecting DIII-NET-compatible air conditioning equipment

DIII-NET is a unique air conditioning equipment communication capability developed by DAIKIN. Using DIII-NET, you can centrally control multiple DIII-NET-compatible air conditioning devices by connecting them to your intelligent Touch Manager.

The iTM plus adaptor allows you to connect additional 64 groups of air conditioners per unit. Considering that the intelligent Touch Manager can be connected with a maximum of seven iTM plus adaptors, you can control a total of 512 groups of air conditioners at a maximum using a single intelligent Touch Manager.

⚠ WARNING

- **Be sure to perform this procedure with the power supply turned off. Doing so may cause an electric shock.**
- **Do not clamp the cables with high-current lines such as a power cable.**

NOTE

Each air conditioner controlled via an iTM plus adaptor is also assigned a DIII address between “1-00” to “4-15”. From the intelligent Touch Manager, it is recognized as “2:1-00”, “3:1-02”, or the like, with the DIII-NET port number prefixed.

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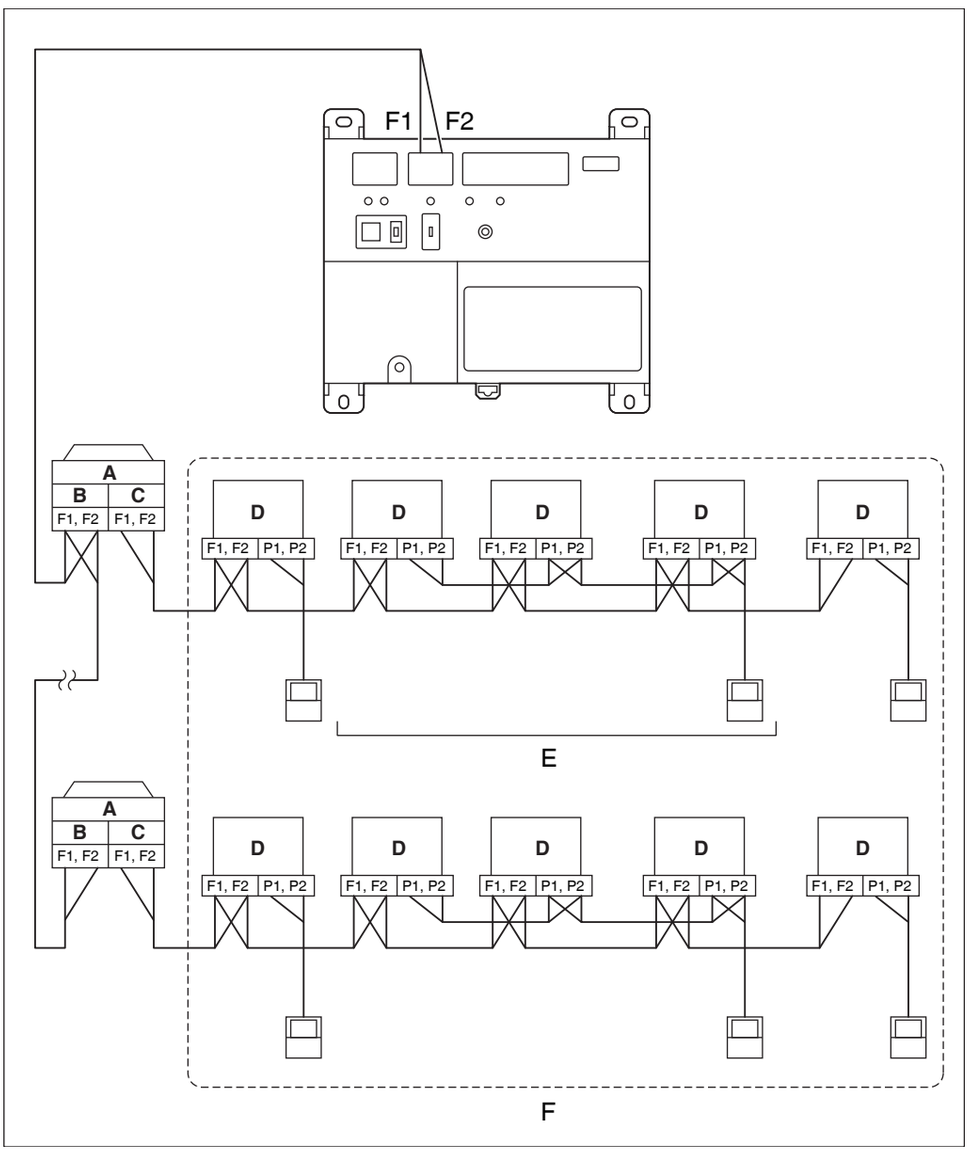
2.2.1 Terminals location and conceptual connection diagram

To connect the DIII-NET communication line, use the two terminals F1 and F2 under the label “DIII”, which have no polarity. These 2 terminals have no polarity. An example of connecting more than 2 air conditioning devices is shown in the following conceptual connection diagram.

⚠ CAUTION

Make sure that the wires you are connecting to the F1 and F2 terminals are not power wires. Inadvertently connecting power wires to these terminals results in a failure of the air conditioner or iTM plus adaptor.

<Conceptual connection diagram with air conditioning equipment>



A Outdoor unit

B OUT - OUT

C IN - OUT

D Indoor unit

E A maximum of 16 indoor units can be connected per remote controller group.

F A maximum of 64 remote controller groups (128 indoor units) can be connected.
A maximum of 64 indoor units can be connected when power distribution is enabled.

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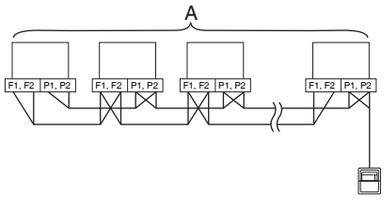
NOTE

■ What's a remote controller group?

A single remote controller can simultaneously control a maximum of 16 indoor units. This capability is referred to as group control. A remote controller group is a group of indoor units controlled under the same remote controller.

[Conceptual drawing of a remote controller group]



A Max. 16 units

2.2.2 Requirements that must be met

Cable specifications

- Cable type: 2-core vinyl-insulated vinyl-sheathed cable/vinyl cabtyre cable or 2-core shielded cable
- Core thickness: 0.75mm² - 1.25mm²
- Terminal treatment: Use a round crimp-type terminal (M3) with insulating sleeve.

Precautions

- Do not use multicore cables with three or more cores.
- When using a shielded cable, connect only one end of each steel wire to the ground.
- Keep the DIII-NET communication wiring at least 50 mm away from power supply wiring.
- The maximum wire distance must be kept to 1000 meters or less. The total wire length must be limited to 2000 meters, except when using a shielded cable whose total wire length must be kept to 1500 meters or less.

2.2.3 Precautions for using multiple centralized controllers

Equipment that controls multiple air conditioners is referred to as "centralized controller". DAIKIN's product portfolio includes a wide range of centralized controllers suited to different applications or target sizes, which can be used in combination to construct an optimal air conditioning system.

There is one thing you should be aware of when installing two or more centralized controllers in DIII-NET. That is, you must establish a MASTER to SLAVE relationship among those controllers to prevent confusion in interpreting instructions to air conditioning equipment.
The MASTER authority may be assigned to one controller only. The remaining controllers must be set to SLAVE.

The iTM plus adaptor is set to MASTER by default. Change the setting to SLAVE in any of the following cases:

- Where Interface for use in BACnet is installed in parallel.
- Where Interface for use in LONWORKS is installed in parallel.
- Where there is an intelligent Touch Manager that is set to MASTER, which serves as the master of this iTM plus adaptor.
- Where there is another iTM plus adaptor that is set to MASTER, which serves as the master of this iTM plus adaptor.

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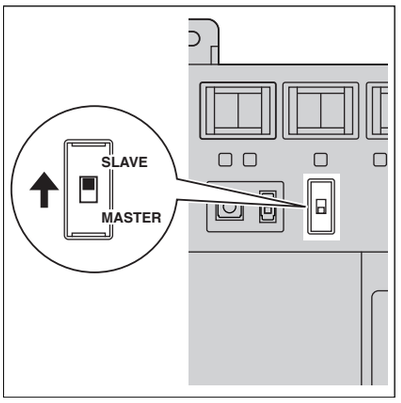
To set the iTM plus adaptor to SLAVE, use the DIII MASTER switch located under the front slide cover. Placing the switch in the upper position (labeled as “SLAVE”) changes it to a SLAVE.

<DIII MASTER>



To install multiple centralized controllers, set only the highest priority controller to MASTER and all other controllers to SLAVE according to the following order of priority:

High

Priority

Low

(1) Interface for use in BACnet
(2) Interface for use in LONWORKS
(3) intelligent Touch Manager (MASTER), **iTM plus adaptor (MASTER)**
(4) Central Remote Controller (MASTER)
(5) intelligent Touch Manager (SLAVE), **iTM plus adaptor (SLAVE)**
(6) Central Remote Controller (SLAVE)
(7) ON/OFF Controller (MASTER)
(8) ON/OFF Controller (SLAVE)

Centralized controllers that cannot be installed in parallel with iTM plus adaptor

- CALCULATE UNIT
- intelligent Processing Unit
- Parallel Interface
- Intelligent Touch Controller
- iTM plus adaptor
- Residential Central Remote Controller
- Schedule Timer
- Electrical Appendices

2.3 Connecting contact or pulse input equipment such as electric energy meters

The iTM plus adaptor can be connected with an external signal input device for stopping air conditioners in an emergency, or with electric energy meters for calculating the electricity usage of individual air conditioners (when power distribution is enabled).

⚠ WARNING

- **Be sure to perform this procedure with the power supply turned off. Doing so may cause an electric shock.**
- **Do not clamp the cables with high-current lines such as a power cable.**

NOTE

Power distribution is available for a maximum of 64 air conditioners (indoor units) per DIII-NET port.

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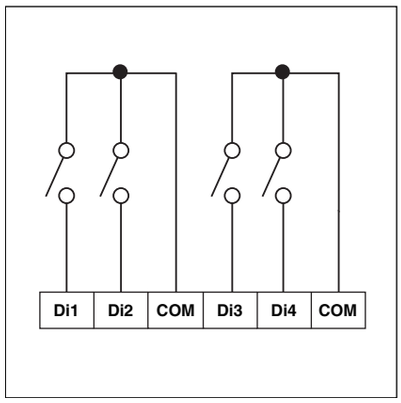
2.3.1 Terminals location and conceptual connection diagram

Use the terminals located under the label “Di” to connect the pulse signal line. The iTM plus adaptor accepts four types of signals through its four channel terminals, Di1, Di2, Di3, and Di4, and two COM terminals (ground).

<Conceptual drawing of Di connection>



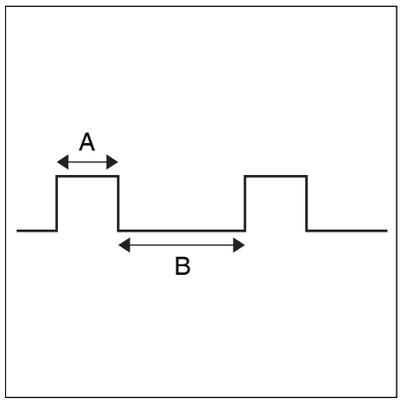
NOTE

The COM terminals are all connected internally. So, you can use either of them.
However, you can connect up to two wires simultaneously to each COM terminal.

2.3.2 Requirements that must be met

- Cable type: CPEV cable
- Core thickness: 0.75 - 1.25 mm²
- Cable length: 200 meters or less
- Pulse width: 20 to 400 ms
  Pulse interval: 100 ms or more

<Pulse width>



A Pulse width: 20 to 400 ms

B Pulse interval: 100 ms or more

⚠ CAUTION

- **The contact connected to the contact input terminal must be capable of handling 10 mA at 16 VDC.**
- **If an instantaneous contact is used for triggering an emergency stop, use one that has an energization time of 200 ms or more.**
- **Do not clamp the cables with high-current lines such as a power cable.**

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2.4 Connecting power supply

Connect the iTM plus adaptor to an AC power supply.

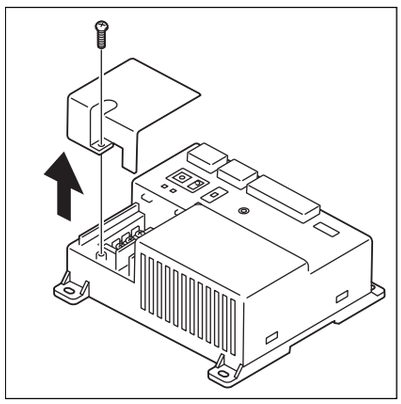
WARNING

The following procedures must be carried out with the power supply shut off. Do not turn the power supply on until all connections are made. Doing so may cause an electric shock.

2.4.1 Terminals location and conceptual connection diagram

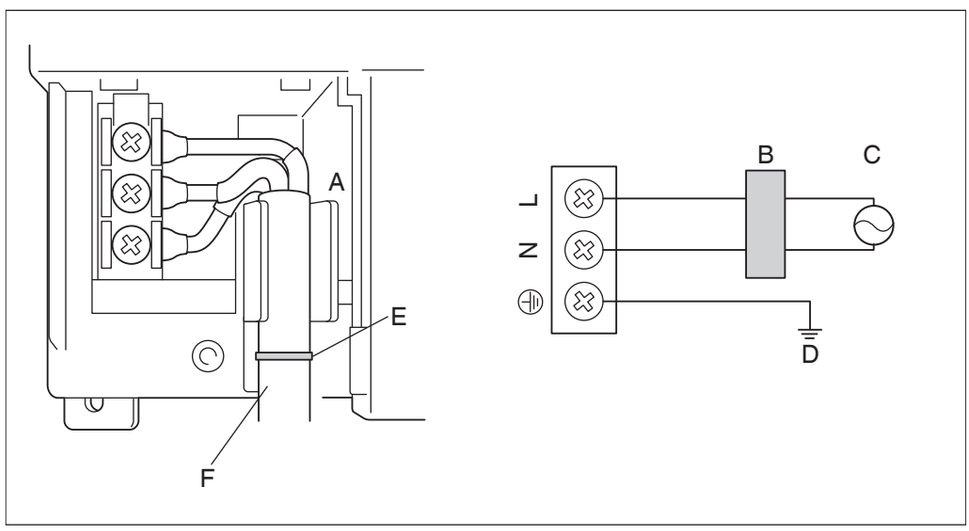
<Removing terminal cover>

For safety reasons, power connection terminals are covered with a protective cover. Remove this cover before you start connecting the power supply. You can do so by loosening a single screw using a Phillips screwdriver. The terminal cover must be replaced where it was before when you finish connecting the power supply.



Next, connect the power supply to the three terminals, L (Live), N (Neutral), and ground in the POWER section. Be sure to ground the ground terminal. Remember to secure the power cables to the blue resin cable mount with cable ties when power connections are made.

<Connecting power supply>



A Cable mount
B Breaker
C Power supply (100-240VAC, 50/60Hz)
D Earth
E Secure cables with cable ties.
F Location of cable mount

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2.4.2 Requirements that must be met

- Cable type: Ordinary tough rubber sheathed cord (60245 IEC 53) equivalent or higher
  Ordinary polyvinyl tough chloride sheathed cord (60227 IEC 53) equivalent or higher
- Core thickness: 1.0 - 2.0 mm²
- Terminal treatment: Use a round crimp-type terminal (M4) with insulating sleeve.
- Power supply voltage: Single phase 100 to 240 VAC (at 50/60 Hz)
- Voltage fluctuation: ±10% or less
- Electric power consumption: 6 W

⚠ CAUTION

- **The power supply requires circuit breaker (10A) installation and earth wire connection.**
- **After installing a circuit breaker, be sure to connect only the iTM plus adaptor to it.**
- **To prevent accidents due to wire breakage or disconnection, secure the power supply cables to the blue resin cable mount with cable ties.**
- **Be sure to connect the earth wire.**
- **For the earth wire, use a green wire with yellow stripes. Do not connect the earth wire to gas or water pipes, lighting rod, or telephone earth wire.**

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3 Installation

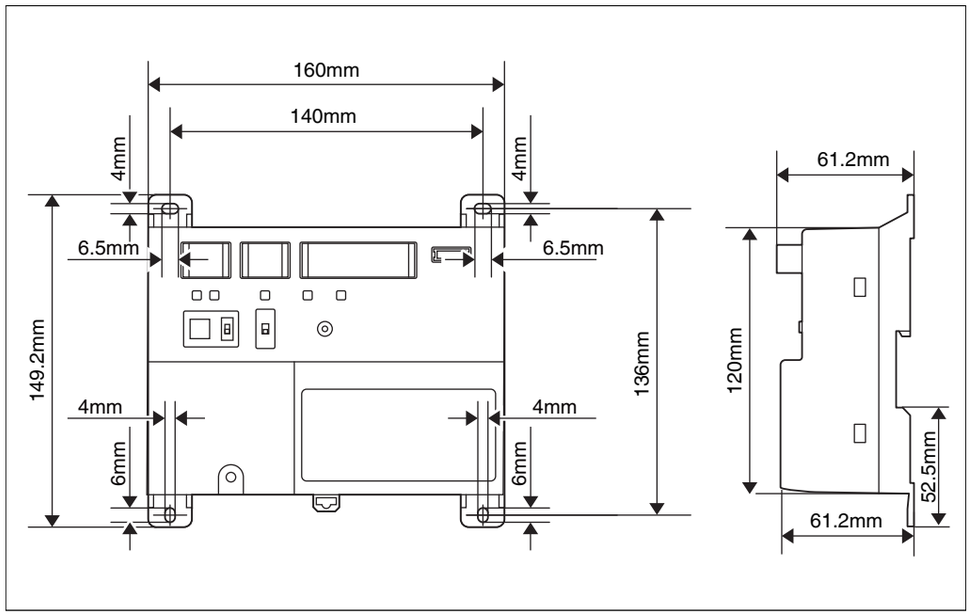
The iTM plus adaptor can be installed in the following two ways:

- Screw mounting to control enclosure
- DIN rail mounting

3.1 Screw mounting to control enclosure

3.1.1 Dimensions of iTM plus adaptor

The figure below shows the dimensions of the iTM plus adaptor.



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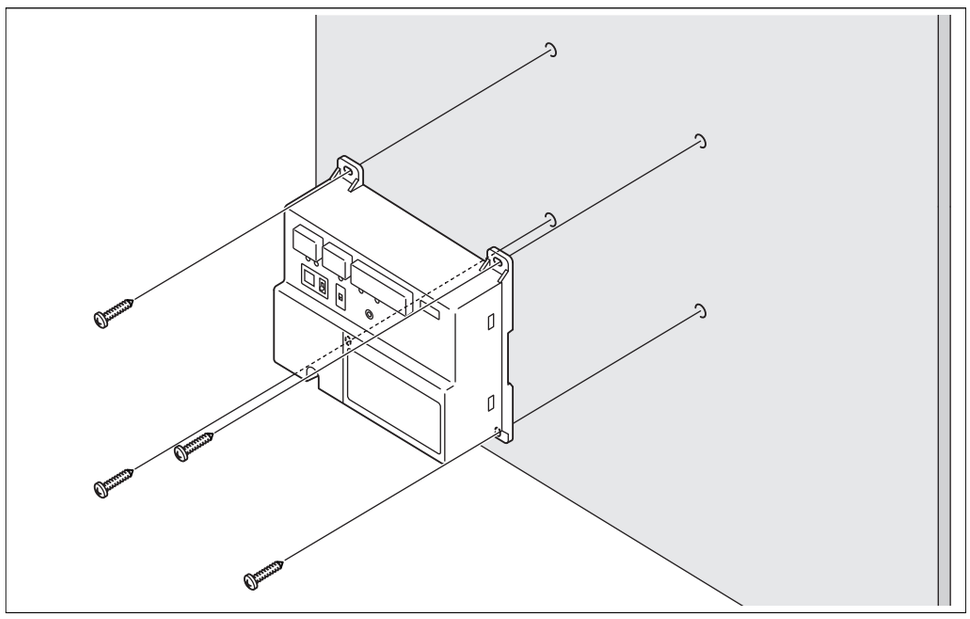
3.1.2 Installation procedure

Secure the iTM plus adaptor to the control enclosure using the supplied round-head wood screws. When done, remove the blue protective film from the upper portion of the unit body.

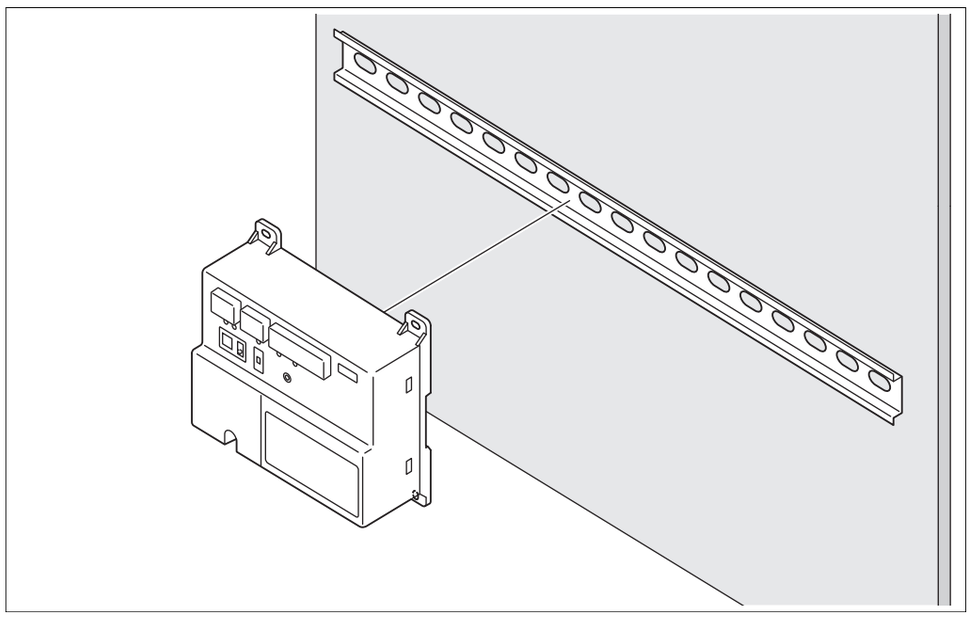
<Mounting to control enclosure>



3.2 DIN rail mounting

The iTM plus adaptor can be mounted to a 35 mm DIN rail.

<Mounting to DIN rail>



Do not use screws to secure the iTM plus adaptor onto the DIN rail.

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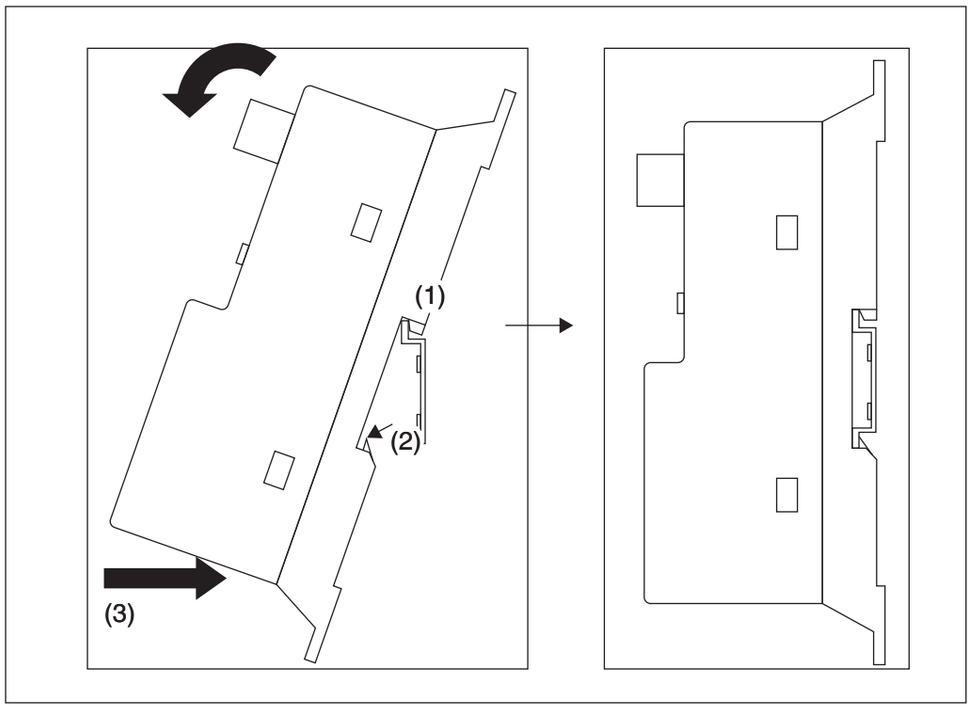
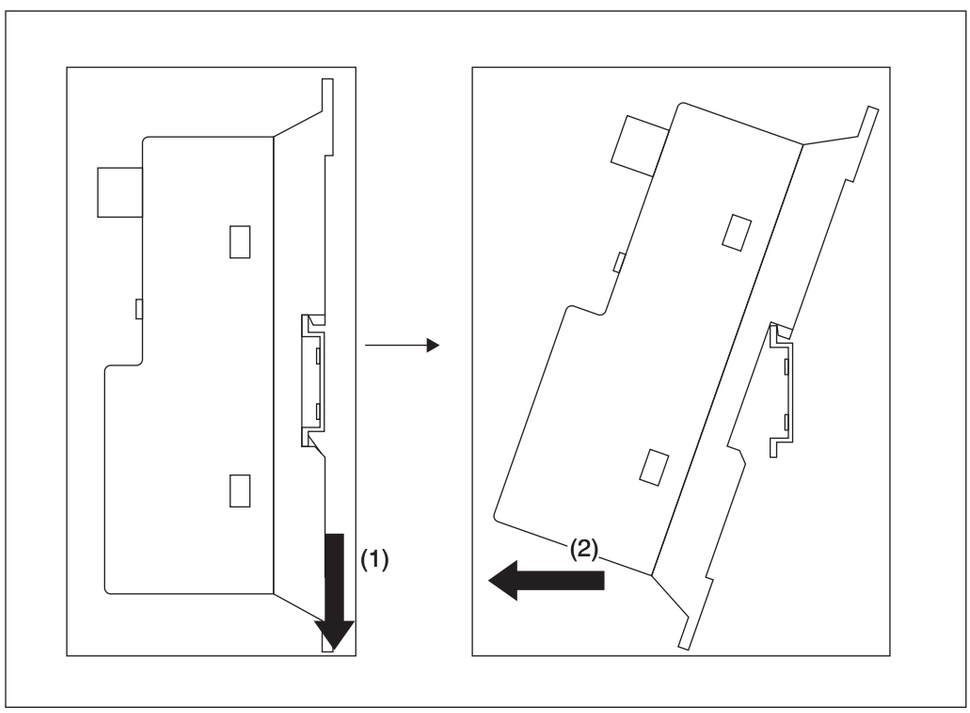
Place the iTM plus adaptor over the top of the DIN rail so that the upper hook (1) on the rear face is hooked and push it in direction (3) until the lower hook (2) snaps into the DIN rail. When done, remove the blue protective film from the upper portion of the unit body.



3.2.1 Removal from DIN rail

Pull down the lever at the lower portion of the iTM plus adaptor and pull the unit body out toward you.



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4 Assigning a DIII-NET address for each air conditioner

In a DIII-NET system, there is a management number for identifying each air conditioner. This can be referred to as DIII-NET address. A DIII-NET address needs to be assigned manually using the remote controller for each air conditioner.

There are remote controllers of several types, each requiring a different way of assigning a DIII-NET address. This section describes commonly used two types of remote controllers, wired and navigation remote controllers, as examples.

⚠ CAUTION

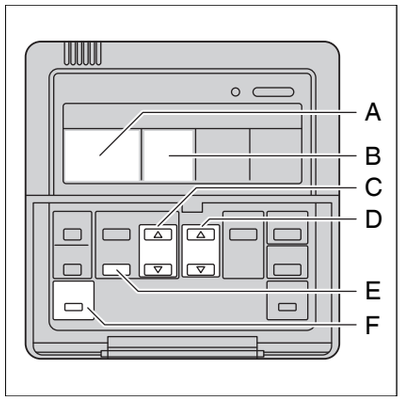
- **Make sure that the iTM plus adaptor is connected to the intelligent Touch Manager and that both units are powered on. Unless both are powered on, you cannot perform DIII-NET address assignment for your air conditioners.**
- **For how to assign addresses for HRV (Heat Reclaim Ventilation) equipment and various adapters (such as a universal adapter), refer to the manual for each product.**

4.1 Remote controller buttons and areas

The names of buttons and areas of a wired remote controller used in this section are shown below.

A Address display area
B Parameter number display area
C Programming time buttons
D Temperature setting buttons
E Timer ON/OFF button
F Inspection / Test operation button

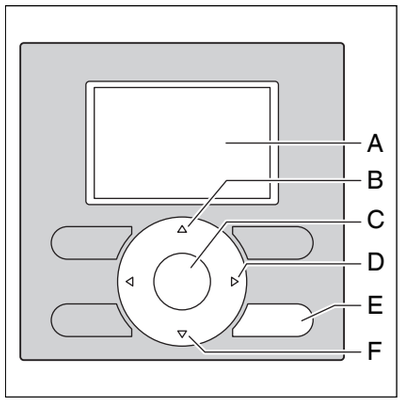
<Wired remote controller>



The names of buttons and areas of a navigation remote controller used in this section are shown below.

A Display
B Up button
C Menu / Enter button
D Right button
E Cancel button
F Down button

<Navigation Remote controller>



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4.1.1 Procedure for a wired remote controller

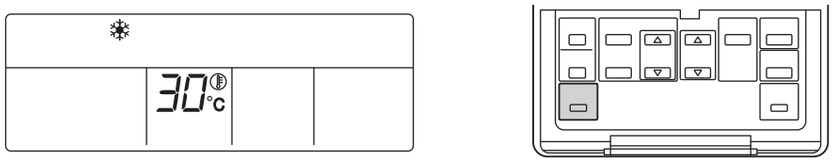
The following describes how to assign a DIII-NET address when a wired remote controller is installed.

NOTE

After power-on, the controller shows the symbol "88" for about 1 minute after displaying all information on its display. During this period, it may not accept your operation. If so, try operating the remote controller again after "88" disappears.

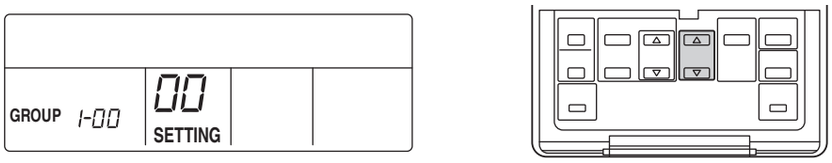
1. Press and hold the Inspection/Test Operation button for 4 seconds or more.
   "SETTING" appears in the center of remote controller display.

<Step 1>



2. Using the Temperature Setting buttons, change the value shown in the parameter number display area to "00".
   In the address display area, the current address setting is displayed. (This area will show "–" if no address is set.)

<Step 2>

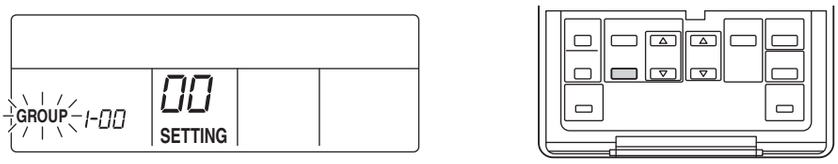


NOTE

The parameter number cannot be changed to "00" when the intelligent Touch Manager is not powered on.
Power on the intelligent Touch Manager and wait for a while before trying to operate the remote controller. You cannot change the parameter number to "00" also when the intelligent Touch Manager is not communicating with the indoor units normally. Make sure that the cables are connected correctly.

3. Press the Timer ON/OFF button to make the "GROUP" indicator blink.
   You are now ready to change the DIII-NET address.

<Step 3>



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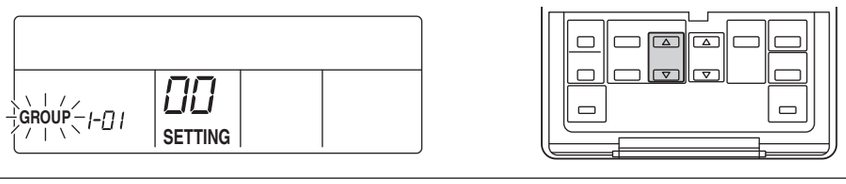
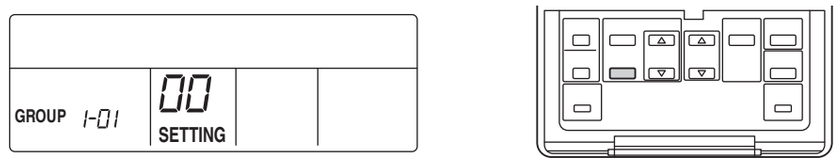
4. Using the Programming time buttons, select the address you want to set.

<Step 4>



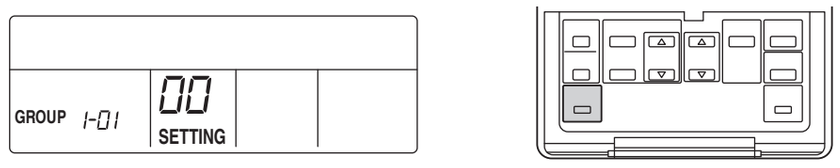
5. Press the Timer ON/OFF button to make the “GROUP” indicator stay lit.
   The DIII-NET address has been set.

<Step 5>

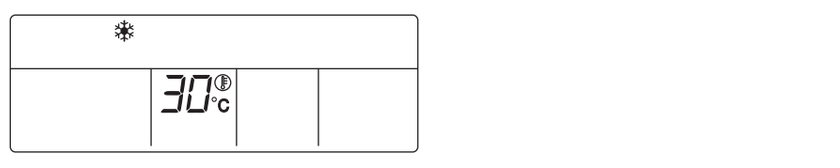


6. Press the Inspection/Test Operation button.
   You are now brought back to the screen shown in Step 6-2.

<Step 6-1>



<Step 6-2>



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4.1.2 Procedure for a navigation remote controller

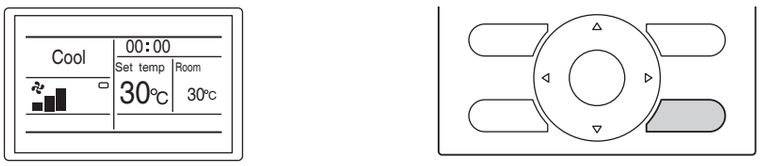
The following describes how to assign a DIII-NET address when a navigation remote controller is installed.

NOTE

You cannot perform the following procedure when the display backlight is off. In this case, press any key to turn on the backlight before starting the procedure.

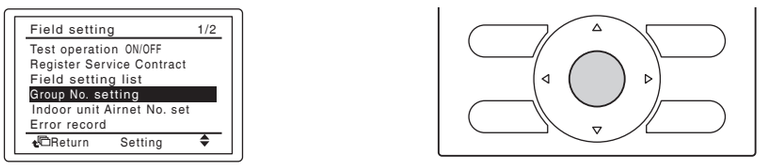
1. Press and hold the Cancel button for 4 seconds or more.
   The “Field setting” menu is displayed.

<Step 1>



2. Using the Up/Down buttons, select “Group No. setting” and press the Menu/Enter button.
   The “Group No. setting” menu is displayed.

<Step 2>

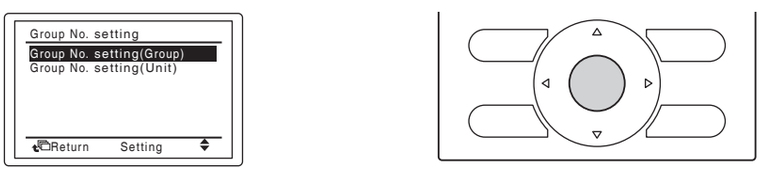


NOTE

The “Group No. setting” menu is not displayed when the intelligent Touch Manager is not powered on. Power on the intelligent Touch Manager and wait for a while before trying to operate the remote controller. The “Group No. setting” menu is not displayed also when the intelligent Touch Manager is not communicating with the indoor units normally. Make sure that the cables are connected correctly.

3. Using the Up/Down buttons, select “Group No. setting (Group)” and press the Menu/Enter button.
   The current address setting is displayed.

<Step 3>



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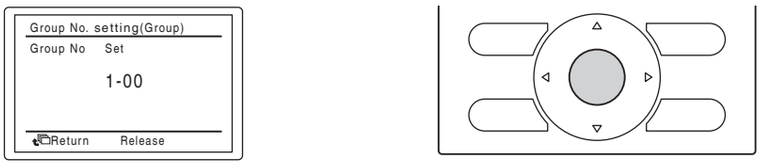
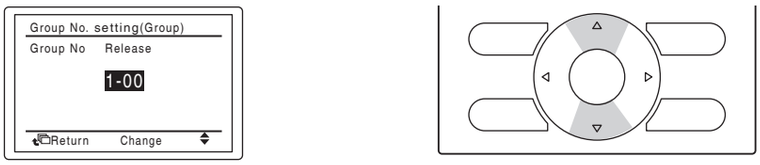
4. Press the Menu/Enter button to release the current address setting.
   The mode indication changes from “Setting” to “Release”. You are now ready to change the DIII-NET address.

<Step 4>



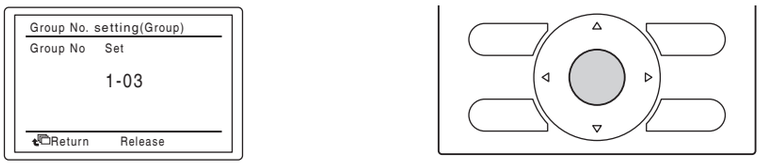
5. Using the Up/Down buttons, select the address you want to set.

<Step 5>



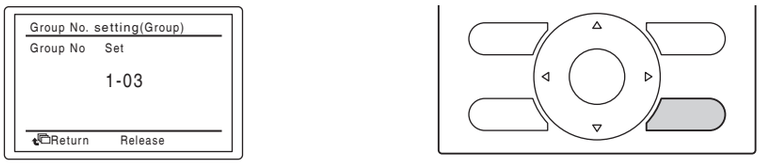
6. Press the Menu/Enter button.
   The DIII-NET address has been set.

<Step 6>

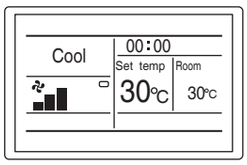


7. Press the Cancel button three times. You are now brought back to the screen shown in Step 7-2.

<Step 7-1>



<Step 7-2>



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4.1.3 Setting an unique address to each unit (when power distribution is enabled)

When power distribution is enabled, you need to set a unique address for each unit. For how to set an address, refer to the commissioning manual.

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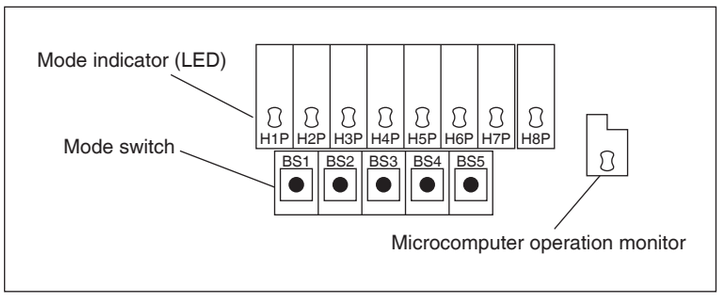
5 Outdoor Unit Address Setup

For the intelligent Touch Manager to identify each outdoor unit, you need to set a unique address for it.
Follow the setup procedure described in this chapter.

5.1 Procedure

To set the address of an outdoor unit, use push buttons provided on the unit's printed circuit board.
The current setting or operating status of an outdoor unit is indicated by the on, blink, or off of its LEDs.



1. Press the BS1 button for 5 seconds or more. The H1P LED lights up.
2. Press the BS2 button 13 times. This causes each LED on the printed circuit board to be in the following state, which indicates that you are in the address setup mode.

H1P	H2P	H3P	H4P	H5P	H6P	H7P
○	●	●	○	○	●	○

○ :On ● :Off

3. Press the BS3 button. You can now find out the current address setting by the blinking LED.
4. Press the BS2 to change to the desired address. (The default setting is "0".)
5. Press the BS3 twice to fix the address setting.
6. Press the BS1 button once to return to the normal mode.

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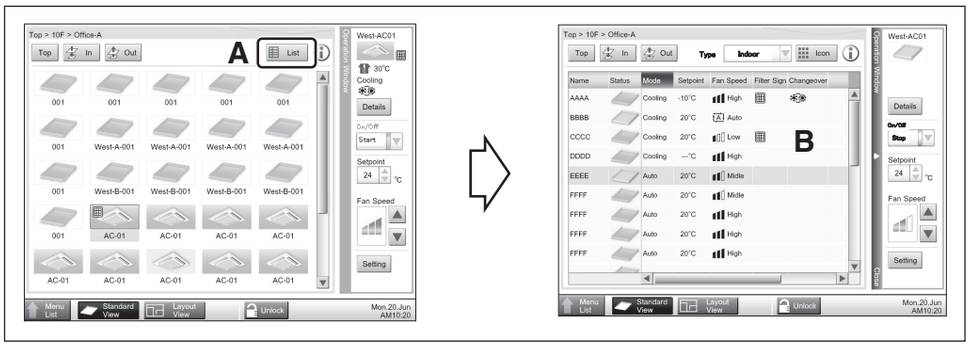
6 Quick Operation Guide

This chapter describes how to start/stop the areas and management points registered with the intelligent Touch Manager and display their information quickly. For detailed operation procedures, refer to the user's manual.

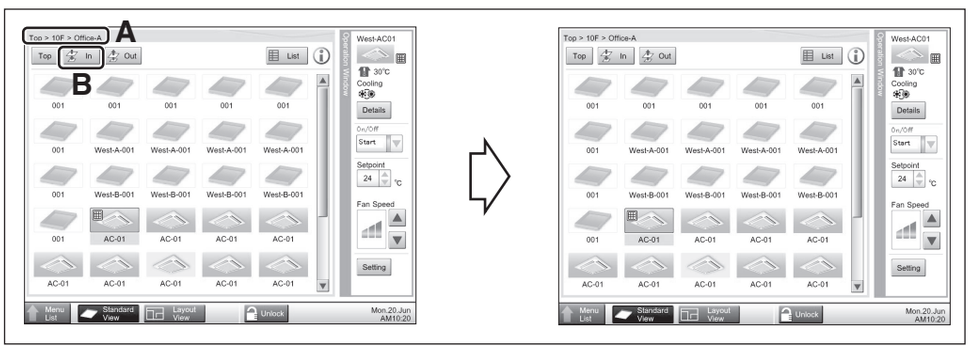
6.1 Viewing target area and management point information in list format



A Touch the List button.

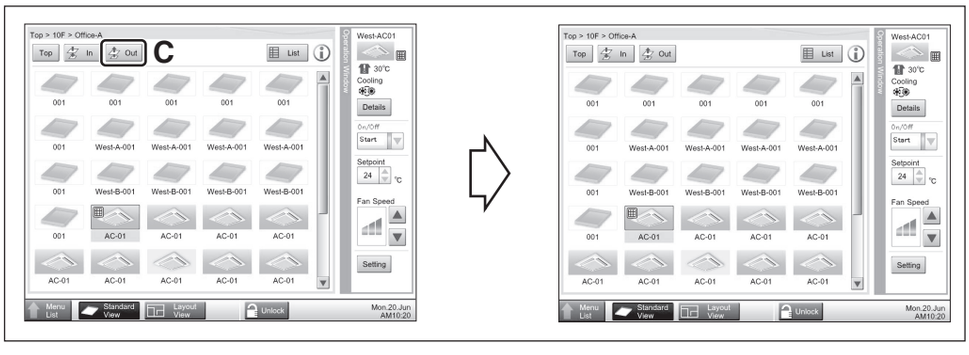
B The screen changes to the list view, where the name, operation mode, set temperature, and fan speed of all areas and indoor units are listed.

6.2 Viewing target areas and management points



A You can check the hierarchy level of the current area or indoor unit.

B Touch the In button to go to the area being selected and view the areas and management points in it.



C Touch the Out button to go to the area one level above the current area.

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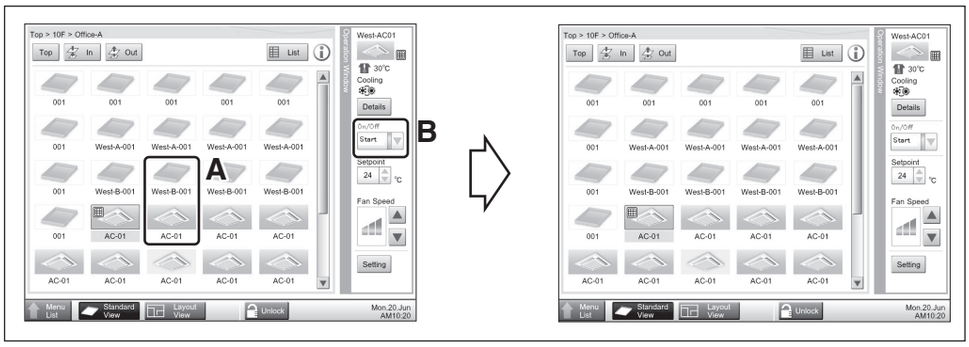
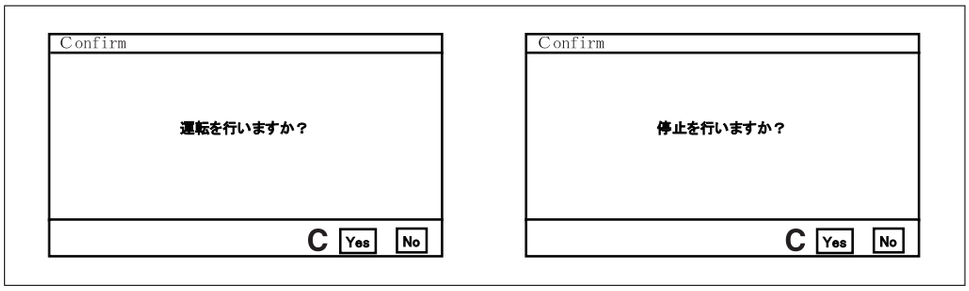
6.3 Starting/stopping an area or management point



A Select the area or management point you want to start or stop.

B On the On/Off combo box, select Start or Stop to start or stop the area/management point, respectively. The icon is green or red (depending on the system setup) when the area/management point is started (operating) and gray when stopped.



C When Confirmation Dialog is set to “Enabled” in the system setup, the corresponding message appears. Select the Yes button to confirm the Start/Stop operation.

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